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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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*Rosalie A. Centeno*  
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In the Application of Jobst Lahrsow

Ser.No.: 10/576,151

Filed: April 17, 2006

For: CHEWABLE MASS FOR THE REMINERALIZATION OF TOOTH ENAMEL

Customer Number: 30996

Commissioner of Patents

Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

In accordance with 37 CFR § 1.56, Applicant wishes to call the attention of the Examiner to the following references:

- 1) GB 1 516 525
- 2) WO 97/06774
- 3) WO 01/93847
- 4) WO 00/13531
- 5) DE 25 43 489
- 6) DE 41 23 450
- 7) WO 94/00101
- 8) EP 0 497 158

References 1 – 4 are all in the English language and therefore need no further discussion as to their relevance. In accordance with United States Patent and Trademark practice, it is no longer necessary to enclose copies of U.S. Patents.

Reference 5, DE 25 43 489, discloses Anhydrous compositions for remineralizing tooth enamel PROCTER & GAMBLE CO 9 Oct 1975 [10 Oct 1974] 41435/75 Heading A5B Anhydrous compositions for the remineralizing of demineralized dental enamel e.g. dentifrices, mouthwashes, toothpastes, chewing gums and dental prophylaxis pastes comprise (A) a water-soluble calcium salt e.g. calcium chloride, acetate, formate, lactate or nitrate; (B) a water-soluble phosphate salt e.g. disodium hydrogen phosphate, sodium dihydrogen phosphate, potassium dihydrogen phosphate, trisodium phosphate and anhydrous phosphoric acid; (C) the balance, anhydrous ingredients for use in the oral cavity; wherein the molar ratio of calcium to phosphate is from 0.01:1 to 100:1, and the composition, when dispersed in water at a concentration of 1 part by weight of composition to 2 parts by weight of water, produces a pH of from 2 to 5. Additional ingredients include a watersoluble salt of magnesium or a heavy metal such as manganese, tin, zinc, indium, aluminium, zirconium, iron, titanium, vanadium and the rare earth metals e.g. lanthanum and cerium; a water soluble salt of an anion capable of forming a water-insoluble precipitate with the cations of calcium, magnesium or the above specified heavy metals e.g. fluoride; and other conventional dentifrice components.

Reference 6, DE 41 23 450, discloses an invention that describes a chewing gum composition, a process for the production thereof and its use. The chewing gum composition contains 0.01 to 5 % by weight of a water-soluble potassium salt, 1 to 5 % by weight of a phosphate and at least 50 % by weight of xylitol or xylitol and sorbitol in addition to

ingredients conventional for chewing gum compositions. The chewing gum composition according to the invention can be used in particular as a dental hygiene means.

Reference 7, WO 94/00101, discloses a prophylactic and therapeutical preparation against caries designed as a chewing gum, a candy for chewing or sucking, tooth paste, mouth wash or spray and the like, contains a proton donor as well as dissolved or easily soluble calcium and dissolved or easily soluble phosphate.

Reference 8, EP 0 497 158, discloses an invention relates to stable, pharmaceutically utilizable chewing gum formulations which contain acetylsalicylic acid as active ingredient, and to a process for the production thereof.

Copies of the listed documents, with the exception of any US Patent references, are submitted herewith along with the form PTO-1449.

It is respectfully requested that any fees required and not enclosed herewith or any shortages in any fees be charged to Deposit Account 02-1653.

Consideration of the foregoing in relation to this application is respectfully requested.

Respectfully submitted,



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Enclosures



## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**Complete if Known**

CUSTOMER NUMBER: 30996	Application Number	10/576,151
	Filing Date	April 17, 2006
	First Named Inventor	Jobst Lahrsow
	Group Art Unit	
	Examiner Name	
	Attorney Docket No.	LE/cc030168US

## **U. S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	1	GB 1 516 525	5 Jul 1978	Great Britain			X
	2	WO 97/06774	27 Feb 1997	WIPO			X
	3	WO 01/93847	13 Dec 2001	WIPO			X
	4	WO 00/13531	16 Mar 2000	WIPO			X
	5	DE 25 43 489	22 Apr 1976	Germany			X
	6	DE 41 23 450	21 Jan 1993	Germany			X
	7	WO 94/00101	06 Jan 1994	WIPO			X
	8	EP 0 497 158	05 Aug 1992	Europe			X

**OTHER PRIOR ART & NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	

Examiner		Date	
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07/12/2006